

CLAIMS

1. A film-integrated gasket, which comprises a resin film and a rubber layer having an adhesiveness to the resin film, molded on the resin film and formed into an inverted T-type stepped wall cross-section.

2. A film-integrated gasket according to Claim 1, wherein the resin film has a thickness of about 10~about 500 μm .

3. A film-integrated gasket according to Claim 1, wherein the rubber layer having an adhesiveness to the resin film is a rubber layer molded from liquid or paste rubber.

4. A film-integrated gasket according to Claim 3, wherein the liquid or paste rubber is silicone rubber.

5. A film-integrated gasket according to Claim 4, wherein the silicone rubber is addition reaction type silicone rubber.

6. A film-integrated gasket according to Claim 3, wherein the rubber layer is a rubber layer having a low JIS A hardness of 70 or less.

7. A film-integrated gasket according to Claim 3, wherein the rubber layer is a rubber layer having a low JIS A hardness of about 10~about 40.

8. A film-integrated gasket according to Claim 1 for use as a thin seal.

9. A film-integrated gasket according to Claim 8 for use in a fuel cell, a secondary battery or a condenser.

10. A static gasket for sealing fluids, said gasket comprising:

a carrier member; and

an elastomeric polymer member disposed on said carrier member, said polymer member having an adhesive component which bonds to said carrier member and prevents contamination of the fluid being sealed,

whereby said carrier member and said elastomeric member having a thickness, said thickness in the range of about 0.01 to 10 mm and absent a separate adhesive member between said elastomeric polymer member and said carrier member.

11. A static gasket as claimed in Claim 10 wherein said carrier having a thickness between about 10 to 500 μm .

12. A static gasket as claimed in Claims 10 wherein said elastomeric polymer member is selected from a group of silicone, fluorosilicone, nitrile rubber and EPDM.

13. A static gasket as claimed in Claim 10 wherein said elastomeric polymer member having a JIS A hardness between about 10 to 70.

14. A static gasket as claimed in Claim 10 further comprising:
a compression limiter adjacent to said elastomeric polymer member to limit the compression on said elastomeric polymer member.

15. A static gasket for sealing fluids, said gasket comprising:
a carrier member; and
a self-bonding elastomer member formed on said carrier member, said elastomer member bonding to said carrier member absent a separate layer of adhesive between said elastomer member and said carrier member prior to disposing said elastomer member on said carrier, said self-bonding elastomer preventing contamination of the fluid being sealed.

16. A static gasket as claimed in Claim 15 further comprising:
a compression limiter adjacent to said elastomeric polymer member to limit the compression on said elastomeric polymer member.

17. A static gasket as claimed in Claim 15 wherein said elastomeric polymer member is selected from a group of silicone, fluorosilicone, nitrile

rubber and EPDM.

18. A static gasket as claimed in Claim 16 herein said carrier having a thicknes between about 10 to 500 μ m.

19. A static gasket as claimed in Claim 16 wherein said carrier member and said elastomeric member having a thickness, said thickness in the range of about 0.1 to 10 mm.

20. A static gasket as claimed in Claim 16 wherein said carrier member is made of a polymer film, said polymer film selected from the group of polyester, polyimide, and polamide.